BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the work:- Upgradation , New Landscape Development and Maintenance of Parks at Yelahanka Zone (Package Consists of 8 Works)

1. Upgradation and Maintenance of park at Yelahanka Lake Park

2. New Landscape Development and Maintenance of park at GKVK in Shivanahalli and Vinivink Shastry Layout (Lalbahuddur Shasthry) Park

3. Upgradation and Maintenance of parks at 4th Stage Behind MIRANDAA school in Yelahanka newtown (5-10) and SFS 407, 4th Main Road park in Yelahanka Newtown (P-407-1)

4. New Landscape Development and Maintenance of park at Basavalingappa, Deo Marvel Layout and Maasthi Venktesha Iyangar park

5. Upgradation and Maintenance of park at A Sector 3rd & 4th Main in Yelahanka newtown (P-A-2)

6. New Landscape Development and Maintenance of park at Aralikatte, Sharadha Nagara Arch park Amogha varshini park and Judicial Layout 1st Cross park

7. Upgradation and Maintenance of park at A Sector 11th Main and 5th Cross (P-A-1) (Subhash Chandra Bose) park

8. Landscape Development and Maintenance of Median at Allalasandra road

Estimation

				Estimation Cost	50000000.00
Sl. No	Description of item	Unit	Qty	Rate	Amount
	Total Park Area 9000 Sqmt.				
	Total Hard Scape area 1000 Sqmt.				
	Total arealeft for Landscape Development: 8000sqmt.				
1	SITE /JUNGLE CLEARENCE:-Cutting and clearingthin junglr including Removal of roots with a intitial lead of 50 m and life of 1.50 m and General cleaning Removal of Dried leaves, soid waste and cleaning of the area (BBMP SR 2019-20)	Sq.m	54550	8.50	463675.00

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Sl. No	Description of item	Unit	Qty	Rate	Amount
2	Planting of Trees				
a	Digging pits of size 0.75m,x0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand (0.035Cum), Fym(0.70Cum) Red Earth (0.105 Cum) (i.e., in the proportaion of 1:2:3) and planting with well established plants Exclusive of cost of Plants & inclusive of ingredients. (BBMP SR 2019-20)				
b	Dost of the plant (BBMP SR 2019-20)				
	2.5' -5' Height				
	5' - 10' Height	Each	130	600.00	78000.00
3	Shrubs in Groups				
a	Developing the area for Shrubs by digging to a depth of 0.45m, filling 50% with sand (0.0375 cum), Fym (0.075 cum), Red Earth (0.21cum) (i.e, in the proportion of 1:2:3). And planting with . well established plants.(8 Plants per sq mtr) Exclusive of cost of plants & inclusive of ingredients. (BBMP SR 2019-20)	Sq.m	17668	435.00	7685580.00
b	Cost of the plant (8 Plants per sqm) including Transportation and Handling charger (BBMP SR 2019-20)	Sq.m	17668	600.00	10600800.00
4	Shrubs in Isolated Plants:				
a	Digging pits : of size 0.45x0.45X0.45m filling upto 50% of the pits with top excavated soil & remaining 50% with the mixture of sand (0.007 cum), Fym (0.014 cum), Red earth (0.021 cum) (i.e., in the proportion of 1:2:3) Exclusive of cost of plants & inclusive ingredients. (BBMP SR 2019-20)	Each	1450	87.00	126150.00
b	Cost of the Plants(including Transportation and Handling charges) (BBMP SR 2019-20)	Each	1450	200.00	290000.00

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Sl. No	Description of item	Unit	Qty	Rate	Amount
5	**specimen plants :-** (Horticulture Department SR 2019-20)				
	Topiary Plants: Conical shape- Height6' ti 7' Botton shap-2' dua /vase sgaoe-Height5' ti 6' Botto shape Doom shape Height 5' to 6' 3 Dooms of 2' and 11/2 and 1 dia (Aproved Data Rate) (BBMP SR 2019-20)	Each	128	19500.00	2496000.00
6	Maintenance:- Weeding, Sweeping, Lawn Moving pruningand diging, Basin preparation and Transportation dried leaves, Watch and ward (@ Rs.29.16/sqm/Months) @ Rs.350/Sqm/Year) (BBMP SR 2019-20)	Sq.m	5000	29.17	145834.00
7	**Planting of Ground cover plants :**				
a	Developing the area for ground cover herbal plants by digging 1x1x0.45m, filling 50% of the area with excavated top soil & remaining 50% with sand (0.0375 cum), Fym (0.075 cum), Red earth (0.112 cum). (i.e., in the preparation of 1:2:3) Exclusive of cost of plants & inclusive ingredients (BBMP SR 2019-20)	Sq.m	3550	435.00	1544250.00
b	Cost of the plant (10 Plants per sqm) including Transportation and Handling charges) (BBMP SR 2019-20)	Sq.m	3550	350.00	1242500.00
8	**Supplying of Red Soil (Newearth filling)** Supply of Good Quality Red soil for Gardening and Growing of plants, Shrubs, etc., including the % weightage given to BBMP Area. (BBMP SR 2019-20)	Cum	600	438.75	263250.00
9	**Development of lawn:-**				
	Scrapping and Removing top soil:-				
a	Cleaning the site by scrapping and removing top layer of soil , removing unwanted debris, grass along with excavated earth to a distance of 500M from the spot, including lead, lift loading and unloading Charges (1x1x0.15m) (BBMP SR 2019-20)	sqm	900	69.04	

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Sl. No	Description of item	Unit	Qty	Rate	Amount
	1st Digging For Lawn				
b	Earth work digging including removing weeds, debris, if any and breaking of clumps, watering etc., to depth of 0.45m (1x1x0.45m) (BBMP SR 2019-20)	sqmt	900	97.16	
	2ndDigging For Lawn				
c	Digging for second time and removing weeds, if any minor. leveling.to depth of 0.45m (1x1x0.45m) (BBMP SR 2019-20)	sqm	900	48.58	
	Soil filling for lawn :				
d	Supplying and stocking of good quality red earth filling for the top layer to depths of 0.15m (1x1x0.15m) (BBMP SR 2019-20)	Sq.m	900	65.81	
e	Providing sand, FYM and Red earth in the ratio of 1:3:6 and spreading to a depth of 7.5 cm at the required site. (BBMP SR 2019-20)	Sq.m	900	53.80	
	Sand (0.075 cu.m/Sqm), /Rs.10.87				
	FYM (0.0225Cu.m /Sqmt Rs.23.19				
	Red earth (0.045 Cu.m/Sq.m) 19.74				
f	Chemicl Fertilizers:				
	Super phospates (50gm/Sq.m Rs.0.1.00/Sq.m, Neem oil cake (250gm/Sqm Rs.6.00/Sqm, Bone meal (250 gm/Sqm, Rs.4.00/Sqm Potash (50gm/Sqm Rs.1.00/sq. Furodon (25gm/Sq.m, Rs.2.00/sq.m Ammonium sulphate (100 gm/Sq.m.Rs.2.00/Sqm (BBMP SR 2019-20)	gm /Sq.m	900	16.00	
g	Supply of lawn grass-Mexican Grass	Sq.m	900	240.00	
h	Other Charge: cost twoards dibbling /laying of lawn inclusive of mixing of ingradents, application of manure and spreading (5x5 Cm) (BBMP SR 2019-20)	Sq.m	900	84.00	
	Total cost for Developing Lawn :- Mexican Grass	Sq.m	900	674.39	606951.00

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Sl. No	Description of item	Unit	Qty	Rate	Amount
10	Development of lawn:-				
	Scrapping and Removing top soil:-				
a	Clearing the site by scrapping and removing top layer of soil , removing unwanted debris, grass along with excavated earth to a distance of 500M from the spot, including lead, lift loading and unloading Charges (1x1x0.15m) (BBMP SR 2019-20)	sqm	13800	69.04	
	1st Digging :				
b	Earth work digging including removing weeds, debris, if any and breaking of clumps, watering etc., to depth of 0.45m (1x1x0.45m) (BBMP SR 2019-20)	sqmt	13800	97.16	
	2nd Digging :				
c	Digging for second time and removing weeds, if any minor. leveling.to depth of 0.45m (1x1x0.45m) (BBMP SR 2019-20)	sqm	13800	48.58	
	Soil filling for lawn :				
d	Supplying and stocking of good quality red earth filling for the top layer to depths of 0.15m (1x1x0.15m) (BBMP SR 2019-20)	Sq.m	13800	65.81	
e	Providing sand, FYM and Red earth in the ratio of 1:3:6 and spreading to a depth of 7.5 cm at the required site. , (BBMP SR 2019-20)				
	Sand (0.075 cu.m/Sqm)	sqm	13800	53.80	
	FYM (0.0225Cu.m /Sqmt				
	Red earth (0.045 Cu.m/Sq.m)				
	Chemicl Fertilizers:				
f	Super phospates (50gm/Sq.m Rs.0.1.00/Sq.m, Neem oil cake (250gm/Sqm Rs.6.00/Sqm, Bone meal (250 gm/Sqm, Rs.4.00/Sqm Potash (50gm/Sqm Rs.1.00/sq. Furodon (25gm/Sq.m, Rs.2.00/sq.m Ammonium sulphate (100 gm/Sq.m.Rs.2.00/Sqm (BBMP SR 2019-20)	gm/Sq.m	13800	16.00	
g	Supply of lawn grass-Phaspulam (BBMP SR 2019-20)	Sq.m	13800	15.00	
h	Other Charge: cost twoards dibbling /laying of lawn inclusive of mixing of ingradents, application of manure and spreading (5x5 Cm) (BBMP SR 2019-20)	Sq.m	13800	84.00	

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Sl. No	Description of item	Unit	Qty	Rate	Amount
	Total cost for Developing Lawn :- Phaspulam	Sq.m	13800	449.39	6201582.00
11	Hedges:				
a	Developing hedges by digging trenches of size 0.45mx0.45m, filling 50% of the trench with excavated top soil & remaining 50% with the mixture of sand (0.0112 cum), Fym (0.0224 cum) (i.e, in the proportion of 1:2:3) (Exclusive of cost of plants & inclusive ingredients.) (BBMP SR 2019-20)	Rmt	750	195.00	146250.00
b	Cost of the plants (7 plants/Rmt): (BBMP SR 2019-20)	Rmt	750	210.00	157500.00
12	**Supplying & planting of specimen plants**				
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Plumeria** (Singapore Red) **150 cm - 240 cm)** including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	160	2500.00	400000.00
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Ficus Ponda(90cm - 150cmm ht)** including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	285	2500.00	712500.00
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Raphis Exalsa (90 cm - 1200 cm)** including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	659	1500.00	988500.00

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Sl. No	Description of item	Unit	Qty	Rate	Amount
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Ficus Starlite (90cm-120cm)** including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	65	2500.00	162500.00
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Golden Cyprus (150 cm - 240 cm)** including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	411	1500.00	616500.00
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Plumeria Singaporensis** dwarf (60 to 90cm)including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	215	2500.00	537500.00
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Yucca Specious** (60 to 90cm)including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	55	1500.00	82500.00
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Ficus Benjimina Black (90cm - 150cmm ht)** including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	324	2500.00	810000.00

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Sl. No	Description of item	Unit	Qty	Rate	Amount
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Woodyetia Bifurecata (120cm - 150cm)**ht including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	60	2500.00	150000.00
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Ficu Starlite (90cm - 150cmm ht)** ht including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	60	2500.00	150000.00
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and **Xenadu (90cm - 150cmht)** including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	85	800.00	68000.00
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and **Drecena Marginata Tricolour (60 to 90)** including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	143	900.00	128700.00
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Alpinia purpurata (60 to 90cmht)** including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	485	800.00	388000.00
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Plumeria Pudica (90cm - 150cmht)** including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	20	1000.00	20000.00

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Sl. No	Description of item	Unit	Qty	Rate	Amount
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Howea Fosteriana (50cm-60cm)** including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	200	2000.00	400000.00
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Howea Fosteriana (50cm-60cm)** including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	51	2000.00	102000.00
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Terminalia Mantaly (150cm-210cm)** including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	100	2100.00	210000.00
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Philodendron xanadusilver (45-60)** including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	195	800.00	156000.00
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of **Furcraea foetida (60 to 90 cm ht)** including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	70	1200.00	84000.00

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Sl. No	Description of item .	Unit	Qty	Rate	Amount
	Digging pits size 0.75m X 0.75. X 0.75. filling up to 50% the pits with top excavated soil and remaining 50% with sand FYM, Red earth (0.021 Cum) (i.e. in the Proporation of 1:2:3) and Planting of Furera, bougainvillea (90cm to 150 cm) including cost of plant, materialsm transporation and handling & Planting cost) (BBMP SR 2019-20)	Each	18	2500.00	45000.00
13	**Sprinklers System:-**				
	Providing and fixing of sprinkler system within the site by using 25mm/10kg, 40mm/6kg, 50mm/6kg good quality PVC pipes, ISI marked Sprinklers, control valves and fitting etc., Including excavation and back filling treches, (Excluding of providing borewell, electrification and pump) As per the specification and direction of the concerned officer. Rates may be quoted as per data rate specific tothe field condition. (BBMP SR 2019-20)	Each	404	4000.00	1616000.00
14	**Park Maintenance:-** for 2 Months (BBMP SR 2017-18)	Sqmt	65512	20.83	1364615.00
15	Supplying of Water to medians, Circles, Islands and Tendersure Road through water tankers including transportation, Water and Handling charges watering at alternate day (i.e 150 days) excluding rainy days (12 litre/sqm/@a time Rs.1400/- tanker of 6000 lirtre capacity) Rs.420/- /sqm @ alternate days 30 days watering) (3 Tanker) (BBMP SR 2019-20)	days	540	1400.00	756000.00

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Sl. No	Description of item	Unit	Qty	Rate	Amount
				Sub Total Non GST Items	1364615.00
				Sub Total GST Items	40580522.00
				Total	41945137.00
				GST 18%	7550124.66
				Total	49495261.66
				0.5% FOR DPR CHARGES	250000.00
				0.5% FOR PMC CHARGES	250000.00
				Miscellaneous	4738.34
				Grand Total	50000000.00
				(RUPEES FIVE CRORES ONLY)	

CERTIFICATE

1 Certified that I have inspected the area and prepared the estimate.
2 Certified that the work proposed in this estimate is not included in any other scheme.
3 Estimate is prepared based on the BBMP Horticulture SR 2017-18/2019-20
4 Gst/Govt Applicable Charges based on Government Order

P.M. Malapadar

Horticulture Assistant
Yelahanka zone

Senior Assistant Director of Horticulture
Yelahanka zone

Technical Sanction
Accorded For Rs. 5.40 Lakhs
Head of A/C P 3877
CER NO 424 Dt: 01/08/2022

Administrative Approval
Accorded For Rs. 5.00 Lakhs
Head of A/C P 3877
CER NO 19 Dt: 18/01/2022

E.E. (Project)

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